510.6
AMS
v.29

MATHEMATICS DEPARTMENT

TABLE OF CONTENTS

VOLUME 29, 1927

	Page
Bell, E. T., of Pasadena, Calif. Arithmetic of logic	597
Brown, E. P., of Hanover, N. H. See Langer, R. E.	
Carpenter, A. F., of Seattle, Wash. Triads of ruled surfaces	254
Church, A., of Princeton, N. J. Alternatives to Zermelo's assumption	178
Dickson, L. E., of Chicago, Ill. Singular case of pairs of bilinear, quadratic, or Hermitian forms	239
Dines, L. L., of Saskatoon, Canada. On sets of functions of a general variable	463
Douglas, J., of Princeton, N. J. Extremals and transversality of the general calculus of variations problem of the first order in space	401
Gehman, H. M., of Austin, Tex. Concerning acyclic continuous curves	553
Graves, L. M., of Cambridge, Mass. See Hildebrandt, T. H.	
———. Riemann integration and Taylor's theorem in general analysis	163
———. Implicit functions and differential equations in general analysis	514
Grove, V. G., of East Lansing, Mich. A general theory of nets on a surface	801
Hildebrandt, T. H., of Ann Arbor, Mich., and Graves, L. M., of Cambridge, Mass. Implicit functions and their differentials in general analysis	127
Huntington, E. V., of Cambridge, Mass. Sets of independent postulates for the arithmetic mean, the geometric mean, the harmonic mean, and the root-mean-square	1
Jensen, C. M., of Minneapolis, Minn. Some problems in the theory of interpolation by Sturm-Liouville functions	54
Koopman, B. O., of Cambridge, Mass. On rejection to infinity and exterior motion in the restricted problem of three bodies	287
Lane, E. P., of Chicago, Ill. The contact of a cubic surface with an analytic surface	471
Langer, R. E., of Providence, R. I., and Brown, E. P., of Hanover, N. H. On a class of integral equations with discontinuous kernels	683
Langford, C. H., of Cambridge, Mass. On a type of completeness characterizing the general laws of separation of point-pairs	96
Lefschetz, S., of Princeton, N. J. Manifolds with a boundary and their transformations	429, 848
McDonald, J. H., of Berkeley, Calif. The differential equation of the elliptic cylinder	647
Manning, W. A., of Stanford University, Calif. Simply transitive primitive groups	815
Michal, A. D., of Princeton, N. J. Functionals of r-dimensional manifolds admitting continuous groups of point transformations	612

660868

PAGE

MOORE, C. N., of Cincinnati, Ohio. On convergence factors in multiple series 227
NIEMYTZKI, V. W., of Moscow, Russia. On the "third axiom of metric space" 507
RIDER, P. R., of St. Louis, Mo. A figuratrix for double integrals . . . 421
RITT, J. F., of New York, N. Y. Meromorphic functions with addition or multiplication theorems 341
———. Real functions with algebraic addition theorems 361
———. A factorization theory for functions $\sum_{i=1}^{n} a_i e^{\alpha_i z}$ 584
ROBERTSON, H. P., of Pasadena, Calif. Dynamical space-times which contain a conformal euclidean 3-space 481
SHOHAT, J. A., of Ann Arbor, Mich. On a general formula in the theory of Tchebycheff polynomials and its applications 569
STARKE, E. P., of New York, N. Y. Certain uniform functions of rational functions 276
STONE, M. H., of New York, N. Y. Irregular differential systems of order two and the related expansion problems 23
———. The expansion problems associated with regular differential systems of the second order 826
STOUFFER, E. B., of Lawrence, Kans. Singular ruled surfaces in space of five dimensions 80
TAMARKIN, J. D., of Hanover, N. H. The notion of the Green's function in the theory of integro-differential equations 755
VANDIVER, H. S., of Austin, Tex. Application of the theory of relative cyclic fields to both cases of Fermat's last theorem 154
VINOGRADOV, J. M., of Leningrad, Russia. On a general theorem concerning the distribution of the residues and non-residues of powers . 209
———. On the bound of the least non-residue of nth powers 218
WARD, L. E., of Iowa City, Iowa. Some third-order irregular boundary value problems 716
WHYBURN, G. T., of Austin, Tex. Concerning continua in the plane . 369
———. Concerning point sets which can be made connected by the addition of a simple continuous arc 746
WILDER, C. E., of Hanover, N. H. Reduction of the ordinary linear differential equation of the nth order whose coefficients are certain polynomials in a parameter to a system of n first-order equations which are linear in the parameter 497
WILDER, R. L., of Columbus, Ohio. A connected and regular point set which has no subcontinuum 332
WILSON, N. R., of Winnipeg, Canada. Integers and basis of a number field 111
Errata, volumes 21, 28, 29 845